


```
CCCCCCCC  TTTTTTTTTT  DDDDDDDD  SSSSSSSS  EEEEEEEEE  NN  NN  SSSSSSSS  EEEEEEEEE
CCCCCCCC  TTTTTTTTTT  DDDDDDDD  SSSSSSSS  EEEEEEEEE  NN  NN  SSSSSSSS  EEEEEEEEE
CC         TT         DD         SS         EE         NN  NN  SS         EE
CC         TT         DD         SS         EE         NN  NN  SS         EE
CC         TT         DD         SS         EE         NN  NN  SS         EE
CC         TT         DD         SS         EE         NN  NN  SS         EE
CC         TT         DD         SS         EE         NN  NN  SS         EE
CC         TT         DD         SS         EE         NN  NN  SS         EE
CC         TT         DD         SS         EE         NN  NN  SS         EE
CCCCCCCC  TT         DDDDDDDD  SSSSSSSS  EEEEEEEEE  NN  NN  SSSSSSSS  EEEEEEEEE
CCCCCCCC  TT         DDDDDDDD  SSSSSSSS  EEEEEEEEE  NN  NN  SSSSSSSS  EEEEEEEEE

LL         IIIIIII  SSSSSSSS
LL         IIIIIII  SSSSSSSS
LL         II      SS
LL         II      SS
LL         II      SS
LL         II      SS
LL         II      SSSSSS
LL         II      SSSSSS
LL         II      SS
LL         II      SS
LL         II      SS
LL         II      SS
LLLLLLLLLL IIIIIII  SSSSSSSS
LLLLLLLLLL IIIIIII  SSSSSSSS
```

(2) 67
(3) 298

DECLARATIONS
CT_POST_SENSE - Map TSA into VMS


```
0000 1 .IF DF RTPAD
0000 2 .TITLE CTSETRT - RTPAD/CTERM SET CHARACTERISTICS
0000 3 .IFF
0000 4 .TITLE CTDSENSE - CTDRIVER SENSE MODE PROCESSING
0000 5 .ENDC
0000 6 .IDENT 'V04-000'
0000 7 .ENABLE SUPPRESSION
0000 8
0000 9 *****
0000 10 *
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0000 28 *
0000 29 *
0000 30 *****
0000 31
0000 32
0000 33 ++
0000 34
0000 35 FACILITY:
0000 36
0000 37 CTERM Remote terminal protocol driver
0000 38
0000 39 ABSTRACT:
0000 40
0000 41 This module is called to map a characteristics item list received
0000 42 from the net into VMS terminal characteristics.
0000 43
0000 44 ENVIRONMENT:
0000 45
0000 46
0000 47
0000 48 --
0000 49
0000 50 AUTHOR: Jake VanNoy, CREATION DATE: 23-Aug-1982
0000 51
0000 52 MODIFIED BY:
0000 53
0000 54
0000 55 V03-003 JLV0336 Jake VanNoy 28-FEB-1984
0000 56 Use constant names in SENSETAB table.
0000 57
```

CTDSENSE
V04-000

- CTDRIVER SENSE MODE PROCESSING G 3

16-SEP-1984 02:24:25 VAX/VMS Macro V04-00
5-SEP-1984 03:14:35 [RTPAD.SRC]CTDSENSE.MAR;1

Page 2
(1)

0000 58 :
0000 59 :
0000 60 :
0000 61 :
0000 62 :
0000 63 :
0000 64 :
0000 65 :

V03-002 JLV0288 Jake VanNoy 28-JUL-1983
Update symbols that identify characteristics.
V03-001 JLV0261 Jake VanNoy 26-MAY-1983
Change baud rate tables to new format.

CTD
V04

```
0000 67 .SBTTL DECLARATIONS
0000 68 :
0000 69 : INCLUDE FILES:
0000 70 :
0000 71 $DCDEF
0000 72 $SSDEF
0000 73 $TTDEF
0000 74 $TT2DEF
0000 75 $TSADEF
0000 76 $UCBDEF ; for protocol errors
0000 77 :
0000 78 :
0000 79 : MACROS:
0000 80 :
0000 81
0000 82 .MACRO CHAR LABEL
0000 83 .WORD char_type!char_count
0000 84 .WORD LABEL-SENSE_ROOTINES
0000 85 char_count = char_count + 1
0000 86 .ENDM CHAR
0000 87
0000 88 .MACRO BAUDTAB BPS
0000 89 .WORD BPS
0000 90 .BYTE TTSC_BAUD_'BPS'
0000 91 .ENDM BAUDTAB
0000 92
0000 93 .MACRO TERMTAB TERM,VALUE
0000 94 .BYTE VALUE
0000 95 .ASCII /TERM/
0000 96 .ENDM TERMTAB
0000 97
0000 98 .MACRO SENSETAB CHAR
0000 99 .WORD char_type!char
0000 100 .ENDM SENSETAB
0000 101
0000 102
0000 103 :
0000 104 : EQUATED SYMBOLS:
0000 105 :
0000 106
00000000 0000 107 physical = ch$c_physicala8 ; 0 leftshifted 1 byte
00000100 0000 108 logical = ch$c_logicala8 ; 1 leftshifted 1 byte
00000200 0000 109 cterm = ch$c_cterma8 ; 2 leftshifted 1 byte
0000 110
00000000 0000 111 TT_BUF = 0
00000004 0000 112 TT_CHAR1 = 4
00000008 0000 113 TT_CHAR2 = 8
00000000 0000 114 TT_IOSB = 0
0000 115
0000 116 :
0000 117 : OWN STORAGE:
0000 118 :
0000 119
0000 120 .IF DF RTPAD
0000 121 .PSECT RTPAD,NOWRT
0000 122
0000 123 .EXTERNAL OUTBAND_NEW
```



```
0000 124 .IFF
00000000 125 .PSECT $$$115_DRIVER, LONG
0000 126
0000 127 .ENDC
0000 128
0000 129 SENSE_TABLE:
0000 130
00000000 0000 131 char_type = physical
00000001 0000 132 char_count = 1
0000 133 CHAR INPUT_SPEED : 1
0004 134 CHAR OUTPUT_SPEED : 2
0008 135 CHAR CHARACTER_SIZE : 3
000C 136 CHAR PARITY_ENABLE : 4
0010 137 CHAR PARITY_TYPE : 5
0014 138 CHAR MODEM_PRESENT : 6
0018 139 CHAR AUTOAUD_DETECT : 7
001C 140 CHAR MANAGEMENT_GUARANTEED : 8
0020 141 CHAR SWITCH_CHAR_1 : 9
0024 142 CHAR SWITCH_CHAR_2 : 10
0028 143
00000100 0028 144 char_type = logical
00000001 0028 145 char_count = 1
0028 146
0028 147 CHAR MODE_WRITING_ALLOWED : 1
002C 148 CHAR TERMINAL_TYPE : 2
0030 149 CHAR TERMINAL_SUBTYPE : 3
0034 150 CHAR OUTPUT_FLOW_CONTROL : 4
0038 151 CHAR OUTPUT_PAGE_STOP : 5
003C 152 CHAR FLOW_CHAR_PASS_THRU : 6
0040 153 CHAR INPUT_FLOW_CONTROL : 7
0044 154 CHAR LOSS_NOTIFICATION : 8
0048 155 CHAR LINE_WIDTH : 9
004C 156 CHAR PAGE_LENGTH : 10
0050 157 CHAR STOP_LENGTH : 11
0054 158 CHAR CR_FILL : 12
0058 159 CHAR LF_FILL : 13
005C 160 CHAR WRAP : 14
0060 161 CHAR HORIZONTAL_TAB : 15
0064 162 CHAR VERTICAL_TAB : 16
0068 163 CHAR FORM_FEED : 17
006C 164
00000200 006C 165 char_type = cterm
00000001 006C 166 char_count = 1
006C 167
006C 168 CHAR IGNORE_INPUT : 1
0070 169 CHAR CHAR_ATTRIBUTES : 2
0074 170 CHAR CONTROL_O_PASS_THRU : 3
0078 171 CHAR RAISE_INPUT : 4
007C 172 CHAR NORMAL_ECHO : 5
0080 173 CHAR INPUT_ESCAPE_ENABLE : 6
0084 174 CHAR OUTPUT_ESCAPE_ENABLE : 7
0088 175 CHAR INPUT_COUNT_STATE : 8
008C 176 CHAR AUTO_PROMPT : 9
0090 177 CHAR ERROR_PROCESSING : 10
0094 178
FFFF 0094 179 .WORD -1 ; End of list (any negative number)
0096 180
```

```
0096 181 SENSE_BAUD: ; Table must be in ascending order
0096 182 BAUDTAB 50
0099 183 BAUDTAB 75
009C 184 BAUDTAB 110
009F 185 BAUDTAB 134
00A2 186 BAUDTAB 150
00A5 187 BAUDTAB 300
00A8 188 BAUDTAB 600
00AB 189 BAUDTAB 1200
00AE 190 BAUDTAB 1800
00B1 191 BAUDTAB 2000
00B4 192 BAUDTAB 2400
00B7 193 BAUDTAB 3600
00BA 194 BAUDTAB 4800
00BD 195 BAUDTAB 7200
00C0 196 BAUDTAB 9600
00C3 197 BAUDTAB 19200
00000000 00C6 198 .LONG 0
00CA 199
00CA 200 CT$AB_TERM_TABLE: ; Table is in order for most likely first
00CA 201 TERMTAB VT100, TTS_VT100
00D1 202 TERMTAB VT200, TTS_VT200-Series
00D8 203 TERMTAB VT101, TTS_VT101
00DF 204 TERMTAB VT102, TTS_VT102
00E6 205 TERMTAB VT105, TTS_VT105
00ED 206 TERMTAB VT125, TTS_VT125
00F4 207 TERMTAB VT131, TTS_VT131
00FB 208 TERMTAB VT132, TTS_VT132
0102 209 TERMTAB VT52, TTS_VT52
0108 210 TERMTAB VT05, TTS_VT05
010E 211 TERMTAB VK100, TTS_VK100
0115 212 TERMTAB VT173, TTS_VT173
011C 213 : TERMTAB TTS_FT1
011C 214 : TERMTAB TTS_FT2
011C 215 : TERMTAB TTS_FT3
011C 216 : TERMTAB TTS_FT4
011C 217 : TERMTAB TTS_FT5
011C 218 : TERMTAB TTS_FT6
011C 219 : TERMTAB TTS_FT7
011C 220 : TERMTAB TTS_FT8
011C 221 TERMTAB LA36, TTS_LA36
0122 222 TERMTAB LA12, TTS_LA12
0128 223 TERMTAB LA34, TTS_LA34
012E 224 TERMTAB LA38, TTS_LA38
0134 225 TERMTAB LA12, TTS_LA12
013A 226 TERMTAB LA100, TTS_LA100
0141 227 TERMTAB LA24, TTS_LA24
0147 228 TERMTAB LQP02, TTS_LQP02
014E 229 TERMTAB VT55, TTS_VT55
00 0154 230 .BYTE 0
4E 57 4F 4E 4B 4E 55 00' 0155 231
07 0155 232 UNKNOWN_TT: .ascii /UNKNOWN/
015D 233
015D 234 .IF NDF RTPAD ; IF CTDRIVER...
015D 235
015D 236 CTP$AB_SENSEBUF::
```



```

0A 00 015D 237
00 015D 238 .BYTE CTP$C_MT_READ_CHAR ; message type
015E 239 .BYTE 0 ; flags
015F 240
015F 241 ;
015F 242 ; Item list, for now, request everything.
015F 243 ;
00000000 015F 244
015F 245 char_type = physical
015F 246
015F 247 SENSETAB ch$c_ph_in_speed ; INPUT_SPEED
0161 248 SENSETAB ch$c_ph_out_speed ; OUTPUT_SPEED
0163 249 SENSETAB ch$c_ph_char_size ; CHARACTER_SIZE
0165 250 SENSETAB ch$c_ph_parity_enable ; PARITY_ENABLE
0167 251 SENSETAB ch$c_ph_parity_type ; PARITY_TYPE
0169 252 SENSETAB ch$c_ph_modem_present ; MODEM_PRESENT
016B 253 SENSETAB ch$c_ph_autobaud ; AUTOBAUD_DETECT
016D 254 : : SENSETAB ch$c_ph_manage_guar ; MANAGEMENT_GUARANTEED
016D 255 : : SENSETAB ch$c_ph_switch1 ; SWITCH_CHAR_1
016D 256 : : SENSETAB ch$c_ph_switch2 ; SWITCH_CHAR_2
016D 257 : : SENSETAB ch$c_ph_manage_ena ; MANAGEMENT_ENABLED
016D 258
00000100 016D 259 char_type = logical
016D 260
016D 261 SENSETAB ch$c_lg_mode_writing ; MODE_WRITING_ALLOWED
016F 262 SENSETAB ch$c_lg_term_bits ; TERMINAL_TYPE
0171 263 SENSETAB ch$c_lg_term_type ; TERMINAL_SUBTYPE
0173 264 SENSETAB ch$c_lg_output_flow ; OUTPUT_FLOW_CONTROL
0175 265 SENSETAB ch$c_lg_page_stop ; OUTPUT_PAGE_STOP
0177 266 SENSETAB ch$c_lg_flow_char_pass ; FLOW_CHAR_PASS_THRU
0179 267 SENSETAB ch$c_lg_input_flow ; INPUT_FLOW_CONTROL
017B 268 SENSETAB ch$c_lg_loss_notif ; LOSS_NOTIFICATION
017D 269 SENSETAB ch$c_lg_line_width ; LINE_WIDTH
017F 270 SENSETAB ch$c_lg_page_length ; PAGE_LENGTH
0181 271 SENSETAB ch$c_lg_stop_length ; STOP_LENGTH
0183 272 SENSETAB ch$c_lg_cr_fill ; CR_FILL
0185 273 SENSETAB ch$c_lg_lf_fill ; LF_FILL
0187 274 SENSETAB ch$c_lg_wrap ; WRAP
0189 275 SENSETAB ch$c_lg_hor_tab ; HORIZONTAL_TAB
018B 276 SENSETAB ch$c_lg_vert_tab ; VERTICAL_TAB
018D 277 SENSETAB ch$c_lg_form_feed ; FORM_FEED
018F 278
00000200 018F 279 char_type = cterm
018F 280
018F 281 SENSETAB ch$c_ct_ignore_input ; IGNORE_INPUT
0191 282 : : SENSETAB ch$c_ct_char_atf ; CHAR_ATTRIBUTES
0191 283 SENSETAB ch$c_ct_ctrlc_pass ; CONTROL_C_PASS_THRU
0193 284 SENSETAB ch$c_ct_raise_input ; RAISE_INPUT
0195 285 SENSETAB ch$c_ct_normal_echo ; NORMAL_ECHO
0197 286 SENSETAB ch$c_ct_input_esc ; INPUT_ESCAPE_ENABLE
0199 287 : : SENSETAB ch$c_ct_output_esc ; OUTPUT_ESCAPE_ENABLE
0199 288 SENSETAB ch$c_ct_input_count ; INPUT_COUNT_STATE
019B 289 SENSETAB ch$c_ct_auto_prompt ; AUTO_PROMPT
019D 290 SENSETAB ch$c_ct_error_processing ; ERROR_PROCESSING
019F 291
00000042 019F 292 CTP$K_SENSEBUF == .-CTP$AB_SENSEBUF ; Size
019F 293

```

- CTDRIVER SENSE MODE PROCESSING L 3
DECLARATIONS

Page 7
(2)

```
019F 294 .ENDC
019F 295 .nlist meb
019F 296
```

TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TTS
TT2
TT-
TT-
TT-
UCB
UNK
VER
WRA

PSE

SAB
SSS

```
019F 298 .SBTTL CT_POST_SENSE - Map TSA into VMS
019F 299
019F 300 :
019F 301 : Must map entire set of characteristics returned into VMS sense mode data
019F 302 :
019F 303 :
019F 304 : Input:
019F 305 :     R2 - Address of CTP
019F 306 :     R9 - Address of 12 byte buffer
019F 307 :     R10 - Address of 8 byte buffer
019F 308 :
019F 309 : Output:
019F 310 :     0(R9) - first longword of sense mode data
019F 311 :     4(R9) - first longword of sense mode characteristics
019F 312 :     8(R9) - second longword of sense mode characteristics
019F 313 :
019F 314 :     0(R10) - first longword of status
019F 315 :     4(R10) - second longword of status
019F 316 :
019F 317 : Characteristics returned: (R9)
019F 318 :
019F 319 : +-----+-----+-----+
019F 320 : | page width | type | class |
019F 321 : +-----+-----+-----+
019F 322 : | length | characteristics |
019F 323 : +-----+-----+-----+
019F 324 : | characteristics |
019F 325 : +-----+-----+-----+
019F 326 :
019F 327 : IOSB: (R10)
019F 328 : +-----+-----+-----+
019F 329 : | R speed | T speed | status |
019F 330 : +-----+-----+-----+
019F 331 : | 0 | parity | LF fill | CR fill |
019F 332 : +-----+-----+-----+
019F 333 :
019F 334 :
019F 335 :
019F 336 : .IF DF RTPAD
019F 337 : CT_CHAR_MSG:: ; RTPAD ENTRY
019F 338 : .IFF
019F 339 : CT_POST_SENSE:: ; CTDRIVER ENTRY
019F 340 : .ENDC
019F 341 :
019F 342 : MOVZWL CTP$W_MSGSIZE(R2),R1 ; Fetch size of buffer
019F 343 : MOVAB CTP$W_CH_PARAM(R2),R2 ; Set address of first characteristic
019F 344 : ADDL3 R1,R2,-(SP) ; Save end address on stack
019F 345 : SUBL2 #3,(SP) ; *** fudge, check this **
019F 346 :
019F 347 : MOVAB #DC$_TERM,TT_BUF(R9) ; Set terminal class
019F 348 : MOVW #SS$_NORMAL,TT_IOSB(R10); Set status
019F 349 :
019F 350 : 10$:
019F 351 : CMPL R2,(SP) ; Hit end of list yet?
019F 352 : BGEQ 254 ; Branch if so
019F 353 : MOVZWL (R2)+,R6 ; Get parameter
019F 354 : MOVAB SENSE_TABLE,R7 ; Get table address
```

51	28	A2	3C	019F	342				
52	2C	A2	9E	01A3	343				
7E	52	51	C1	01A7	344				
	6E	03	C2	01AB	345				
				01AE	346				
69	42	8F	90	01AE	347				
	6A	01	80	01B2	348				
				01B5	349				
				01B5	350				
	6E	52	D1	01B5	351				
		15	18	01B8	352				
	56	82	3C	01BA	353				
57	FE3F	CF	9E	01BD	354				


```

      87  56  B1  01C2  355  20$:
      OD  13  01C2  356          CMPW    R6,(R7)+      ; Compare to table entry
      87  B5  01C5  357          BEQL    30$          ; Branch if match found
      F7  18  01C7  358          TSTW    (R7)+        ; Advance pointer past routine
      01CB  01CB  359          BGEQ    20$          ; Loop if greater than or equal to zero
      01CB  360          ; PANIC                      ; 'invalid sense mode returned'
      01CB  361          MINOR_ERROR                ; Increment error count, then exit
      01CF  362  25$:
      8E  D5  01CF  363          TSTL    (SP)+        ; throw away end address
      01CB  31  01D1  364          BRW    POST_SENSE_EXIT ; exit code
      01D4  365          ; Dispatch to routine
      01D4  366          ;
      01D4  367          ;
      01D4  368          ;
      01D4  369  30$:
      56  000001E5'EF  9E  01D4  370          MOVAB   SENSE_ROUTINES,R6      ; Base
      57  67  3C  01DB  371          MOVZWL  (R7),R7      ; get routine address
      57  56  C0  01DE  372          ADDL2   R6,R7      ; Add offset to base for routine address
      67  16  01E1  373          JSB      (R7)          ; jsb to routine
      D0  11  01E3  374          BRB      10$          ; Do next parameter
      01E5  375          ;
      01E5  376          ;
      01E5  377          ; ALL these routines have R0,R1,R4,R6-R8 as scratch
      01E5  378          ;
      01E5  379          ;
```

```
01E5 381 SENSE_ROUTINES:
01E5 382
01E5 383 ; physical
01E5 384
01E5 385 INPUT_SPEED:
01E5 386 MOVW (R2)+,R0 ; physical 1
03 AA 0F 10 01E8 387 BSBB GET_SPEED ; Get speed
03 AA 50 90 01EA 388 MOVW R0,TT_IOSB+3(R10) ; map into TTSC_BAUD_xxxx
05 01EE 389 RSB ; set receive speed
01EF 390 ; Return
01EF 391 OUTPUT_SPEED:
01EF 392 MOVW (R2)+,R0 ; physical 2
05 82 80 01EF 393 BSBB GET_SPEED ; Get speed
02 AA 05 10 01F2 394 MOVW R0,TT_IOSB+2(R10) ; map into TTSC_BAUD_xxxx
05 90 01F4 395 RSB ; set transmit speed
05 01F8 396 ; Return
01F9 397 ; Local routine to map speed into TTSC_BAUD rates
01F9 398
01F9 399 Input:
01F9 400 R0 - baud rate in BPS
01F9 401
01F9 402 Output:
01F9 403 R0 - Baud rate in TTSC_BAUD_xxx terms
01F9 404
01F9 405 GET_SPEED:
51 FE99 CF 9E 01F9 406 MOVAB SENSE_BAUD,R1 ; Get table
01FE 407 110$:
81 50 B1 01FE 408 CMPW R0,(R1)+ ; compare
08 15 0201 409 BLEQ 120$
81 95 0203 410 TSTB (R1)+ ; Advance
F7 12 0205 411 BNEQ 110$ ; Branch if not zero
50 10 90 0207 412 MOVW #TTSC_BAUD_19200,R0 ; Assume 19200 if > 19200
05 05 020A 413 RSB ; Return
50 61 90 020B 414 120$: MOVW (R1),R0 ; Fetch baud rate symbol value
05 05 020E 415 RSB ; Return
020F 416
020F 417 CHARACTER_SIZE:
020F 418 .IF DF RTI_D ; physical 3
020F 419 BICL #TTSM_EIGHTBIT,-
020F 420 TT_CHAR1(R9) ; Set characteristic
020F 421 .ENDC
82 07 B1 020F 422 CMPW #7,(R2)+ ; Character size
08 18 0212 423 BGEQ 10$ ; exit if less than or equal to 7
00008000 8F C8 0214 424 BICL #TTSM_EIGHTBIT,-
04 A9 05 021A 425 TT_CHAR1(R9) ; Set characteristic
021C 426 10$: RSB ; Return
021D 427
021D 428 PARITY_ENABLE:
021D 429 .IF DF RTPAD ; physical 4
021D 430 BICB #TTSM_PARITY,-
021D 431 TT_IOSB+6(R10) ; Set parity enabled
021D 432 .ENDC
50 82 90 021D 433 MOVW (R2)+,R0 ; Get boolean
05 50 E9 0220 434 BLBC R0,10$ ; Branch if not enabled
40 8F 88 0223 435 BISB #TTSM_PARITY,-
06 AA 05 0226 436 TT_IOSB+6(R10) ; Set parity enabled
0228 437 10$: RSB ; Return
```

```
0229 438
0229 439 PARITY_TYPE: ; physical 5
0229 440 .IF DF RTPAD
0229 441 BICB #TTSM_ODD,-
0229 442 TT_105B+6(R10) ; Assume even parity
0229 443 .ENDC
50 82 3C 0229 444 MOVZWL (R2)+,R0 ; Get parity number
50 02 81 022C 445 CMPW #ch$c_parity_odd,R0 ; Odd?
05 05 12 022F 446 BNEQ 10$ ; If not, exit
80 8F 88 0231 447 BISB #TTSM_ODD,-
06 AA 0234 448 TT_105B+6(R10) ; Set odd parity
05 0236 449 10$: RSB ; Return
0237 450
0237 451 MODEM_PRESENT: ; physical 6
0237 452 .IF DF RTPAD
0237 453 BICL #<TTSM_MODEM!-
0237 454 TTSM_REMOTE>,TT_CHAR1(R9) ; Set modem and remote bits
0237 455 .ENDC
50 82 90 0237 456 MOVB (R2)+,R0 ; Get Boolean
04 08 50 E9 023A 457 BLBC R0,10$ ; Branch if not enabled
04 A9 00202000 8F C8 023D 458 BISL #<TTSM_MODEM!-
05 0245 459 TTSM_REMOTE>,TT_CHAR1(R9) ; Set modem and remote bits
0246 460 10$: RSB ; Return
0246 461
0246 462 AUTOBAUD_DETECT: ; physical 7
0246 463 .IF DF RTPAD
0246 464 BICL #TT2SM_AUTOBAUD,-
0246 465 TT_CHAR2(R9) ; Set autobaud
0246 466 .ENDC
50 82 90 0246 467 MOVB (R2)+,R0 ; Get Boolean
04 50 E9 0249 468 BLBC R0,10$ ; Branch if not enabled
02 02 C8 024C 469 BISL #TT2SM_AUTOBAUD,-
08 A9 024E 470 TT_CHAR2(R9) ; Set autobaud
05 0250 471 10$: RSB ; Return
0251 472
0251 473 MANAGEMENT_GUARANTEED: ; physical 8
50 82 90 0251 474 MOVB (R2)+,R0 ; Get Boolean
00 50 E9 0254 475 BLBC R0,10$ ; Branch if not enabled
C5 0257 476 10$: RSB ; Return
0258 477
0258 478 SWITCH_CHAR_1: ; physical 9
013A 30 0258 479 BSBQ IGNORE_STRING ; Ignore this string data
05 025B 480 RSB ; Return
025C 481
025C 482 SWITCH_CHAR_2: ; physical 10
0136 30 025C 483 BSBQ IGNORE_STRING ; Ignore this string data
05 025F 484 RSB ; Return
0260 485
```



```
0260 487 ; logical
0260 488
0260 489 MODE_WRITING_ALLOWED: ; logical 1
50 82 90 0260 490 MOVB (R2)+,R0 ; Get Boolean
00 50 E9 0263 491 BLBC R0,10$ ; Branch if not enabled
05 0266 492 10$: RSB ; Return
0267 493
0267 494 TERMINAL_TYPE: ; logical 2
0267 495
0267 496 ; bit mask is:
0267 497 : 0 - Unknown/known
0267 498 : 1 - scope/hardcopy
0267 499
0267 500 MOVZWL (R2)+,R0 ; Get characteristic
00001000 8F C8 026A 501 BISL #TT$M_SCOPE,- ; Set scope
04 A9 0270 502 TT_CHAR1(R9) ; Set scope
08 50 01 E0 0272 503 BBS #CTP$V.CH_SCOPE,R0,10$ ; Branch if scope
00001000 8F CA 0276 504 BICL #TT$M_SCOPE,- ; Clear scope
04 A9 027C 505 TT_CHAR1(R9)
027E 506
027E 507 ; *** unknown?
027E 508
04 50 00 E0 027E 509 10$: BBS #CTP$V.CH_KNOWN,R0,20$ ; Branch if known
01 A9 00 90 0282 510 MOVB #TT$_UNKNOWN,TT_BUF+1(R9) ; Set terminal type
05 0286 511 20$: RSB ; Return
0287 512
0287 513 TERMINAL_SUBTYPE: ; logical 3
56 82 9A 0287 514 MOVZBL (R2)+,R6 ; Get length of string
01 12 028A 515 BNEQ 10$ ; Continue if not 0
05 028C 516 RSB ; Return
028D 517
10$: 028D 518 MOVL R2,R7 ; Get address of string
57 52 D0 0290 519 ADDL2 R6,R2 ; Update pointer
52 56 C0 0293 520 PUSHF #M<R2,R3,R10> ; Save registers
58 040C 8F BB 0297 521 MOVAB CT$AB_TERM_TABLE,R8 ; Address of table
FE2F CF 9E 029C 522 CLRL R4 ; Zero length
54 D4 029E 523 20$:
58 54 C0 029E 524 ADDL2 R4,R8 ; Get next entry
01 A9 88 90 02A1 525 MOVB (R8)+,TT_BUF+1(R9) ; Set terminal type
0E 13 02A5 526 BEQL 30$ ; branch if end of list
54 88 9A 02A7 527 MOVZBL (R8)+,R4 ; Get length
54 56 91 02AA 528 CMPB R6,R4 ; compare lengths
EF 12 02AD 529 BNEQ 20$ ; not equal, loop
68 67 56 29 02AF 530 CMPC3 R6,(R7),(R8) ; Compare
E9 12 02B3 531 BNEQ 20$ ; Loop if not equal
02B5 532
02B5 533 ; Terminal type match
02B5 534
02B5 535 ASSUME TT$_UNKNOWN EQ 0 ; assume for end of table code
040C 8F BA 02B5 536 30$: POPF #M<R2,R3,R10> ; Restore registers
05 02B9 537 RSB ; Return
02BA 538
02BA 539
02BA 540
02BA 541
02BA 542 OUTPUT_FLOW_CONTROL: ; logical 4
02BA 543 .IF DF-RTPAD
```

```
02BA 544 BICL #TTSM TTSYNC,-
02BA 545 TT_CHAR1(R9) ; Set tt sync
50 82 90 02BA 546 .ENDC
04 50 E9 02BA 547 MOVB (R2)+,R0 ; Get Boolean
20 C8 02BD 548 BLBC R0,10$ ; Branch if not enabled
04 A9 02C0 549 BISL #TTSM TTSYNC,-
05 02C2 550 TT_CHAR1(R9) ; Set tt sync
02C4 551 10$: RSB ; Return
02C5 552
02C5 553 OUTPUT_PAGE_STOP: ; logical 5
02C5 554 .IF DF RTPAD
02C5 555 BICL #TTSM HOLDScreen,-
02C5 556 TT_CHAR1(R9) ; Set hold screen
02C5 557 .ENDC
50 82 90 02C5 558 MOVB (R2)+,R0 ; Get Boolean
08 50 E9 02C8 559 BLBC R0,10$ ; Branch if not enabled
00004000 8F C8 02CB 560 BISL #TTSM HOLDScreen,-
04 A9 02D1 561 TT_CHAR1(R9) ; Set hold screen
05 02D3 562 10$: RSB ; Return
02D4 563
02D4 564 FLOW_CHAR_PASS_THRU: ; logical 6
50 82 90 02D4 565 MOVB (R2)+,R0 ; Get Boolean
00 50 E9 02D7 566 BLBC R0,10$ ; Branch if not enabled
05 02DA 567 10$: RSB ; Return
02DB 568
02DB 569 INPUT_FLOW_CONTROL: ; logical 7
02DB 570 .IF DF RTPAD
02DB 571 BICL #TTSM HOSTSYNC,-
02DB 572 TT_CHAR1(R9) ; Set hostsync
02DB 573 .ENDC
50 82 90 02DB 574 MOVB (R2)+,R0 ; Get Boolean
04 50 E9 02DE 575 BLBC R0,10$ ; Branch if not enabled
10 C8 02E1 576 BISL #TTSM HOSTSYNC,-
04 A9 02E3 577 TT_CHAR1(R9) ; Set hostsync
05 02E5 578 10$: RSB ; Return
02E6 579
02E6 580 LOSS_NOTIFICATION: ; logical 8
50 82 90 02E6 581 MOVB (R2)+,R0 ; Get Boolean
00 50 E9 02E9 582 BLBC R0,10$ ; Branch if not enabled
05 02EC 583 10$: RSB ; Bell on loss data?
02ED 584
02ED 585 LINE_WIDTH: ; logical 9
02 A9 82 B0 02ED 586 MOVW (R2)+,TT_BUF+2(R9) ; Line width
05 02F1 587 RSB ; Return
02F2 588
02F2 589 PAGE_LENGTH: ; logical 10
07 A9 82 33 02F2 590 CVTWB (R2)+,TT_CHAR1+3(R9) ; Page length
05 02F6 591 RSB ; Return
02F7 592
02F7 593 STOP_LENGTH: ; logical 11
82 B5 02F7 594 TSTW (R2)+ ; Ignore for now
05 02F9 595 RSB ; Return
02FA 596
02FA 597 CR_FILL: ; logical 12
02FA 598 .IF DF RTPAD
02FA 599 BICL #TTSM CRFILL,-
02FA 600 TT_CHAR1(R9)
```

```
04 AA 82 33 02FA 601 .ENDC
08 13 02FA 602 CVTWB (R2)+,TT_IOSB+4(R10)
00000400 08 13 02FE 603 BEQL 10$ ; Branch if zero
04 A9 C8 0300 604 BISL #TTSM CRFILL,-
05 0306 605 TT_CHAR1(R9)
0308 606 10$: RSB ; Return
0309 607 ; logical 13
0309 608 LF FILL:
0309 609 .IF DF RTPAD
0309 610 BICL #TTSM LFFILL,-
0309 611 TT_CHAR1(R9)
0309 612 .ENDC
05 AA 82 33 0309 613 CVTWB (R2)+,TT_IOSB+5(R10)
08 13 030D 614 BEQL 10$ ; Branch if zero
00000800 08 13 030F 615 BISL #TTSM LFFILL,-
04 A9 C8 0315 616 TT_CHAR1(R9)
05 0317 617 10$: RSB ; Return
0318 618 ; logical 14
0318 619 WRAP:
0318 620 .IF DF RTPAD
0318 621 BICL #TTSM WRAP,-
0318 622 TT_CHAR1(R9)
0318 623 .ENDC ; set wrap
82 03 B1 0318 624 CMPW #3,(R2)+ ; Get wrap (value 1 to 4)
08 18 031B 625 BGEQ 10$ ; if 3 or less, no wrap
00000200 08 18 C8 031D 626 BISL #TTSM WRAP,-
04 A9 C8 0323 627 TT_CHAR1(R9)
05 0325 628 10$: RSB ; set wrap
0326 629 ; Return
0326 630 HORIZONTAL TAB: ; logical 15
0326 631 .IF DF RTPAD
0326 632 BICL #TTSM MECHTAB,-
0326 633 TT_CHAR1(R9)
0326 634 .ENDC ; Set mechtap
82 01 B1 0326 635 CMPW #1,(R2)+ ; mechtap?
08 12 0329 636 BNEQ 10$ ; Branch if no
00000100 08 12 C8 032B 637 BISL #TTSM MECHTAB,-
04 A9 C8 0331 638 TT_CHAR1(R9)
05 0333 639 10$: RSB ; Set mechtap
0334 640 ; Return
0334 641 VERTICAL TAB: ; logical 16
82 B5 0334 642 TSTW (R2)+ ; ignore
05 0336 643 RSB ; Return
0337 644 ; logical 17
0337 645 FORM FEED:
0337 646 .IF DF RTPAD
0337 647 BICL #TTSM MECHFORM,-
0337 648 TT_CHAR1(R9)
0337 649 .ENDC ; Set mechform
82 01 B1 0337 650 CMPW #1,(R2)+ ; mech form?
08 12 033A 651 BNEQ 10$ ; Branch if no
00080000 08 12 C8 033C 652 BISL #TTSM MECHFORM,-
04 A9 C8 0342 653 TT_CHAR1(R9)
05 0344 654 10$: RSB ; Set mechform
; Return
```



```
50 82 90 0345 656 ; cterm
00 50 E9 0345 657
05 0345 658 IGNORE_INPUT: ; cterm 1
0348 659 MOVB (R2)+,R0 ; Get Boolean
034B 660 BLBC R0,10$ ; Branch if not enabled
034C 661 10$: RSB ; Return
034C 662
034C 663 CHAR_ATTRIBUTES: ; cterm 2
034C 664
034C 665 .IF DF RTPAD
034C 666
034C 667 MOVAB OUTBAND_NEW,R0 ; Get temporary mask
034C 668 MOVZBL (R2)+,RT ; get character
034C 669 MOVZBL (R2)+,R6 ; Get mask
034C 670 MOVZBL (R2)+,R7 ; Get attribute
034C 671 CLRL R4 ; Clear
034C 672 BBSS R1,R4,5$ ; turn character into mask
034C 673 5$:
034C 674 EXTZV #CTPSV_CH_00,-
034C 675 #CTPSS_CH_00,R6,R8 ; Fetch isolate mask
034C 676 CMPB #CTPSM_CH_00,R8 ; Must be full mask
034C 677 BNEQ 100$ ; exit *** - other things to handle here
034C 678
034C 679 EXTZV #CTPSV_CH_00,-
034C 680 #CTPSS_CH_00,R7,R8 ; Fetch attributes
034C 681 CMPB #CTPSC_CH_CANCEL,R8 ; Cancel?
034C 682 BNEQ 10$ ; br if no
034C 683 BICL R4,OOB_EXCLUDE(R0) ; clear them all...
034C 684 BICL R4,OOB_INCLUDE(R0)
034C 685 BICL R4,OOB_ABORT(R0)
034C 686 BRB 100$
034C 687 10$:
034C 688 CMPB #CTPSC_CH_ICLEAR,R8 ; immediate clear?
034C 689 BEQL 20$ ; br if yes
034C 690 CMPB #CTPSC_CH_DCLEAR,R8 ; deferred clear?
034C 691 BNEQ 30$ ; br if no
034C 692 20$:
034C 693 ;
034C 694 ; set up abort out of band
034C 695 ;
034C 696 BISL R4,OOB_ABORT(R0) ; Set abort flag
034C 697 BRB 100$
034C 698 30$:
034C 699 CMPB #CTPSC_CH_HELLO,R8 ; hello?
034C 700 BNEQ 100$ ; no, (sanity check really)
034C 701 BBC #CTPSV_CH_I,R6,40$ ; Branch if include not specified
034C 702 BBC #CTPSV_CH_I,R7,40$ ; Branch if include not required
034C 703 BISL R4,OOB_INCLUDE(R0) ; Set include bit
034C 704 BRB 100$
034C 705 40$:
034C 706 BISL R4,OOB_EXCLUDE(R0) ; set exclude bit
034C 707 ;
034C 708 ; Handle out-of-band discard (D)
034C 709 ;
034C 710 100$:
034C 711 BBC #CTPSV_CH_D,R6,200$ ; Skip if not in select mask
034C 712 BICL R4,OOB_DISCARD(R0) ; Assume no discard output
```

```
034C 713 BBC #CTPSV_CH_D,R7,200$ ; Skip if not in select mask
034C 714 BISL R4,00B_DISCARD(R0) ; Set discard output
034C 715 200$:
034C 716 ;
034C 717 ; Handle control character echoing (EE)
034C 718 ;
034C 719 EXTZV #CTPSV_CH_EE,-
034C 720 #CTPSS_CH_EE,R6,R8 ; Fetch isolate mask
034C 721 CMPB #3,R8 ; specified?
034C 722 BNEQ 300$ ; nope
034C 723 BICL R4,00B_ECHO(R0) ; assume no echo (like ^T)
034C 724 EXTZV #CTPSV_CH_EE,-
034C 725 #CTPSS_CH_EE,R7,R8 ; Fetch real data
034C 726 CMPB #CTPSC_CH_ECHONONE,R8 ; echo none?
034C 727 BEQL 300$ ; yes, continue
034C 728 CMPB #CTPSC_CH_ECHOSTANDARD,R8 ; echo STANDARD?
034C 729 BNEQ 300$ ; branch if other...
034C 730 BISL R4,00B_ECHO(R0) ; set standard echo (like ^C)
034C 731 300$:
034C 732 ;
034C 733 ; *** code not done for:
034C 734 ; enable/disable special character (F)
034C 735 ;
034C 736 RSB ; Exit
034C 737 ;
034C 738 .IFF ; CTDRIVER
034C 739 ;
52 03 C0 034C 740 ADDL #3,R2 ; Skip (should never really get here)
05 034F 741 RSB
0350 742 ;
0350 743 .ENDC
0350 744 ;
50 82 90 0350 745 CONTROL_O_PASS_THRU: ; cterm 3
00 50 E9 0350 746 MOVB (R2)+,R0 ; Get Boolean
05 0353 747 BLBC R0,10$ ; Branch if not enabled
0356 748 10$: RSB ; Return
0357 749 ;
0357 750 RAISE_INPUT: ; cterm 4
0357 751 .IF DF RTPAD
0357 752 BICL #TTSM_LOWER,-
0357 753 TT_CHAR1(R9) ; Set convert lower
0357 754 .ENDC
50 82 90 0357 755 MOVB (R2)+,R0 ; Get Boolean
08 50 E8 035A 756 BLBS R0,10$ ; Branch if not enabled
00000080 8F C8 035D 757 BISL #TTSM_LOWER,-
04 A9 05 0363 758 TT_CHAR1(R9) ; Set convert lower
0365 759 10$: RSB ; Return
0366 760 ;
0366 761 NORMAL_ECHO: ; cterm 5
0366 762 .IF DF RTPAD
0366 763 BICL #TTSM_NOECHO,-
0366 764 TT_CHAR1(R9) ; Set noecho
0366 765 .ENDC
50 82 90 0366 766 MOVB (R2)+,R0 ; Get Boolean
04 50 E8 0369 767 BLBS R0,10$ ; Branch if enabled (note opposite sense)
02 C8 036C 768 BISL #TTSM_NOECHO,-
04 A9 05 036E 769 TT_CHAR1(R9) ; Set noecho
```

```
05 0370 770 10$: RSB ; Return
0371 771
0371 772 INPUT_ESCAPE_ENABLE: ; cterm 6
0371 773 OUTPUT_ESCAPE_ENABLE: ; cterm 7
0371 774 .IF DF RTPAD
0371 775 BICL #TTSM_ESCAPE,-
0371 776 TT_CHAR1(R9)
0371 777 .ENDC
50 82 90 0371 778 MOVB (R2)+,R0 ; Get Boolean
04 50 E9 0374 779 BLBC R0,10$ ; Branch if not enabled
08 C8 0377 780 BISL #TTSM_ESCAPE,-
04 A9 0379 781 TT_CHAR1(R9)
05 037B 782 10$: RSB ; Return
037C 783
037C 784 INPUT_COUNT_STATE: ; cterm 8
82 B5 037C 785 TSTQ (R2)+ ; Ignore
05 037E 786 RSB
037F 787
037F 788 AUTO_PROMPT: ; cterm 9
037F 789 .IF DF RTPAD
037F 790 BICL #TTSM_SCRIPT,-
037F 791 TT_CHAR1(R9)
037F 792 .ENDC
50 82 90 037F 793 MOVB (R2)+,R0 ; Get Boolean
08 50 E9 0382 794 BLBC R0,10$ ; Branch if not enabled
00000040 8F C8 0385 795 BISL #TTSM_SCRIPT,-
04 A9 038B 796 TT_CHAR1(R9)
05 038D 797 10$: RSB ; Return
038E 798
038E 799 ERROR_PROCESSING: ; cterm 10
50 82 90 038E 800 MOVB (R2)+,R0 ; Get Boolean
00 50 E9 0391 801 BLBC R0,10$ ; Branch if not enabled
05 0394 802 10$: RSB ; Return
0395 803
0395 804
0395 805 IGNORE_STRING:
50 82 9A 0395 806 MOVZBL (R2)+,R0 ; Get length of string
52 50 C0 0398 807 ADDL2 R0,R2 ; Add to address
05 039B 808 RSB
039C 809
```


CTDSENSE
V04-000

- CTDRIVER SENSE MODE PROCESSING J 4
CT_POST_SENSE - Map TSA into VMS

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05 039C 811 POST_SENSE_EXIT:
039C 812
039C 813 RSB
039D 814
039D 815 .end

CTD
V04

CTDSENSE
Symbol table

- CTDRIVER SENSE MODE PROCESSING

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AUTOBAUD DETECT	00000246	R	02	FORM FEED	00000337	R	02
AUTO_PROMPT	0000037F	R	02	GET_SPEED	000001F9	R	02
CHSC_CTERM	= 00000002			HORIZONTAL TAB	00000326	R	02
CHSC_CT_AUTO_PROMPT	= 00000009			IGNORE_INPT	00000345	R	02
CHSC_CT_CTRL0_PASS	= 00000003			IGNORE_STRING	00000395	R	02
CHSC_CT_ERROR_PROCESSING	= 0000000A			INPUT_COUNT_STATE	0000037C	R	02
CHSC_CT_IGNORE_INPUT	= 00000001			INPUT_ESCAPE_ENABLE	00000371	R	02
CHSC_CT_INPUT_COUNT	= 00000008			INPUT_FLOW_CONTROL	000002DB	R	02
CHSC_CT_INPUT_ESC	= 00000006			INPUT_SPEED	000001E5	R	02
CHSC_CT_NORMAL_ECHO	= 00000005			LF_FICL	00000309	R	02
CHSC_CT_RAISE_INPUT	= 00000004			LINE_WIDTH	000002ED	R	02
CHSC_LG_CR_FICL	= 0000000C			LOGICAL	= 00000100		
CHSC_LG_FLOW_CHAR_PASS	= 00000006			LOSS_NOTIFICATION	000002E6	R	02
CHSC_LG_FORM_FEED	= 00000011			MANAGEMENT_GUARANTEED	00000251	R	02
CHSC_LG_HOR_TAB	= 0000000F			MODEM_PRESENT	00000237	R	02
CHSC_LG_INPT_FLOW	= 00000007			MODE_WRITING_ALLOWED	00000260	R	02
CHSC_LG_LF_FICL	= 0000000D			NORMAL_ECHO	00000366	R	02
CHSC_LG_LINE_WIDTH	= 00000009			OUTPUT_ESCAPE_ENABLE	00000371	R	02
CHSC_LG_LOSS_NOTIF	= 00000008			OUTPUT_FLOW_CONTROL	000002BA	R	02
CHSC_LG_MODE_WRITING	= 00000001			OUTPUT_PAGE_STOP	000002C5	R	02
CHSC_LG_OUTPUT_FLOW	= 00000004			OUTPUT_SPEED	000001EF	R	02
CHSC_LG_PAGE_LENGTH	= 0000000A			PAGE_LENGTH	000002F2	R	02
CHSC_LG_PAGE_STOP	= 00000005			PARITY_ENABLE	0000021D	R	02
CHSC_LG_STOP_LENGTH	= 0000000B			PARITY_TYPE	00000229	R	02
CHSC_LG_TERM_BITS	= 00000002			PHYSICAL	= 00000000		
CHSC_LG_TERM_TYPE	= 00000003			POST_SENSE_EXIT	0000039C	R	02
CHSC_LG_VERT_TAB	= 00000010			RAISE_INPUT	00000357	R	02
CHSC_LG_WRAP	= 0000000E			SENSE_BAUD	00000096	R	02
CHSC_LOGICAL	= 00000001			SENSE_ROUTINES	000001E5	R	02
CHSC_PARITY_ODD	= 00000002			SENSE_TABLE	00000000	R	02
CHSC_PHYSICAL	= 00000000			SSS_NORMAL	= 00000001		
CHSC_PH_AUTOBAUD	= 00000007			STOP_LENGTH	000002F7	R	02
CHSC_PH_CHAR_SIZE	= 00000003			SWITCH_CHAR_1	00000258	R	02
CHSC_PH_IN_SPEED	= 00000001			SWITCH_CHAR_2	0000025C	R	02
CHSC_PH_MODEM_PRESENT	= 00000006			TERMINAL_SUBTYPE	00000287	R	02
CHSC_PH_OUT_SPEED	= 00000002			TERMINAL_TYPE	00000267	R	02
CHSC_PH_PARITY_ENABLE	= 00000004			TTSC_BAUD_110	= 00000003		
CHSC_PH_PARITY_TYPE	= 00000005			TTSC_BAUD_1200	= 00000008		
CHARACTER_SIZE	0000020F	R	02	TTSC_BAUD_134	= 00000004		
CHAR_ATTRIBUTES	0000034C	R	02	TTSC_BAUD_150	= 00000005		
CHAR_COUNT	= 0000000B			TTSC_BAUD_1800	= 00000009		
CHAR_TYPE	= 00000200			TTSC_BAUD_19200	= 00000010		
CONTROL_O_PASS_THRU	00000350	R	02	TTSC_BAUD_2000	= 0000000A		
CR_FICL	000002FA	R	02	TTSC_BAUD_2400	= 0000000B		
CT\$AB_TERM_TABLE	000000CA	RG	02	TTSC_BAUD_300	= 00000006		
CTERM	= 00000200			TTSC_BAUD_3600	= 0000000C		
CTPSAB_SENSEBUF	0000015D	RG	02	TTSC_BAUD_4800	= 0000000D		
CTPSC_RT_READ_CHAR	= 0000000A			TTSC_BAUD_50	= 00000001		
CTPSK_SENSEBUF	= 00000042	G		TTSC_BAUD_600	= 00000007		
CTPSV_CH_KNOWN	= 00000000			TTSC_BAUD_7200	= 0000000E		
CTPSV_CH_SCOPE	= 00000001			TTSC_BAUD_75	= 00000002		
CTPSW_CH_PARAM	= 0000002C			TTSC_BAUD_9600	= 0000000F		
CTPSW_MSGSIZE	= 00000028			TTSM_CRFICL	= 00000400		
CT_POST_SENSE	0000019F	RG	02	TTSM_EIGHTBIT	= 00008000		
DC\$ TERM	= 00000042			TTSM_ESCAPE	= 00000008		
ERROR_PROCESSING	0000038E	R	02	TTSM_HOLDSCREEN	= 00004000		
FLOW_CHAR_PASS_THRU	000002D4	R	02	TTSM_HOSTSYNC	= 00000010		

CTD
V04

CTDSENSE
Symbol table

- CTDRIVER SENSE MODE PROCESSING

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VAX/VMS Macro V04-00
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TTSM_LFFILL	=	00000800
TTSM_LOWER	=	00000080
TTSM_MECHFORM	=	00080000
TTSM_MECHTAB	=	00000100
TTSM_MODEM	=	00200000
TTSM_NOECHO	=	00000002
TTSM_ODD	=	00000080
TTSM_PARITY	=	00000040
TTSM_REMOTE	=	00002000
TTSM_SCOPE	=	00001000
TTSM_SCRIPT	=	00000040
TTSM_TTSYNC	=	00000020
TTSM_WRAP	=	00000200
TTS_CA100	=	00000025
TTS_LA12	=	00000024
TTS_LA24	=	00000025
TTS_LA34	=	00000022
TTS_LA36	=	00000020
TTS_LA38	=	00000023
TTS_LQP02	=	00000026
TTS_UNKNOWN	=	00000000
TTS_VK100	=	00000002
TTS_VT05	=	00000001
TTS_VT100	=	00000060
TTS_VT101	=	00000061
TTS_VT102	=	00000062
TTS_VT105	=	00000063
TTS_VT125	=	00000064
TTS_VT131	=	00000065
TTS_VT132	=	00000066
TTS_VT173	=	00000003
TTS_VT200_SERIES	=	0000006E
TTS_VT52	=	00000040
TTS_VT55	=	00000041
TT2SM_AUTOBAUD	=	00000002
TT_BUF	=	00000000
TT_CHAR1	=	00000004
TT_CHAR2	=	00000008
TT_IOSB	=	00000000
UCBSW_ERRCNT	=	00000082
UNKNOWN TT		00000155 R 02
VERTICAL_TAB		00000334 R 02
WRAP		00000318 R 02

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$AB\$\$	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
\$\$\$115_DRIVER	0000039D (925.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
-----	-----	-----	-----
Initialization	32	00:00:00.06	00:00:00.47
Command processing	141	00:00:00.52	00:00:01.57
Pass 1	420	00:00:10.03	00:00:20.11
Symbol table sort	0	00:00:01.75	00:00:03.42
Pass 2	137	00:00:02.14	00:00:03.20
Symbol table output	20	00:00:00.11	00:00:00.33
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	753	00:00:14.62	00:00:29.11

The working set limit was 1800 pages.

86638 bytes (170 pages) of virtual memory were used to buffer the intermediate code.

There were 90 pages of symbol table space allocated to hold 1619 non-local and 35 local symbols.

815 source lines were read in Pass 1, producing 16 object records in Pass 2.

19 pages of virtual memory were used to define 18 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
-----	-----
-\$255\$DUA28:[SHRLIB]REM.MLB;1	0
-\$255\$DUA28:[RTPAD.OBJ]RTPAD.MLB;1	2
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	1
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	8
TOTALS (all libraries)	11

1655 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:CTDSENSE/OBJ=OBJ\$:CTDSENSE MSRC\$:CTDSENSE/UPDATE=(ENH\$:CTDSENSE)+EXECML\$/LIB+LIB\$:RTPAD/LIB+SHRLIB\$:REM/LIB

0333 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
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CTDSENSE
LIS

CTDUMSPEC
LIS

CTSENSERT
LIS

RSTSRRT
LIS

CTERMRT
LIS

DTE_DF03
LIS

CTSETRT
LIS

CTOSET
LIS